

North Dakota Vehicle Crash Facts for 2005

April 2006

TABLE OF CONTENTS

Introduction	1
Acknowledgements	1
Did You Know? – General Crash Statements	2
North Dakota/Out-of-State Driver Involvement	3
Contributing Factors in 2005 Fatal Crashes	3
Total Fatalities and Fatality Rate: North Dakota vs. National	4
2005 Fatal Crashes/Fatalities by County – Map	5
Reportable Crashes by County	6
Persons Killed and Injured by County	7
Motor Vehicle Fatalities on Major Holidays	8
Statewide Seat Belt Survey Results	9
Restraint Device Usage and Ejection of Occupants	9
Restraint Device Usage – Age Seventeen and Under	10
Total and Fatal Crashes by Time of Day and Day of Week	11
Age and Sex of Fatalities	12
Age and Sex of Persons Injured	13
Age and Sex of Drivers Involved in Fatal Crashes	14
Injury Crash Involvement by Age, Sex, and License of Driver	15
Driver Violation – 2005 Crashes	16
Crashes by Type of Driver Violation	17
DUI Crashes by County	18
Crash Summary by Month	19
Crashes by Light Conditions	20
Road Surface and Weather Conditions – All Crashes	20
Road Surface and Weather Conditions – Fatal Crashes	21
Road Surface and Weather Conditions – Injury Crashes	21
Crashes by Manner of Collision	22
Reportable Crashes by City	23
Crashes by Urban Population	23
Crashes by First Harmful Event	24
Vehicle Involvement by Type	25
Crash Severity by Vehicle Type	25
Crashes by Roadway Function Class	26
Average Economic Costs of North Dakota Traffic Crashes	27
Speed Related Fatal Crashes	28

INTRODUCTION

Crash statistics are an important element of North Dakota's traffic safety program. It is only through careful analysis of crashes that pertinent information can be learned about their causes. Corresponding solutions can then be found—laws can be introduced, safety programs can be implemented, enforcement can be increased, and highway improvements can be made.

The specific nature of this data is aimed at helping the various professionals involved in traffic safety by showing them where they can best concentrate their safety efforts. NORTH DAKOTA VEHICLE CRASH FACTS, therefore, is a valuable reference for news media, legislators, researchers, law enforcement agencies, judicial personnel, insurance companies, businesses, students, and persons involved in traffic safety activities. It also carries a message to everyone who gets behind the wheel. Safety is everyone's business.

This report is a study of the data compiled from all North Dakota motor vehicle crash reports in 2005. Pertinent information is maintained concerning drivers, motor vehicles, highways, and traffic crashes. Other information is obtained from the state toxicologist, the Highway Patrol, and emergency medical services. The information is compiled to assist the North Dakota Department of Transportation in identifying problems and finding appropriate solutions.

Requests for further information or additional copies of this report should be addressed to:

Drivers License and Traffic Safety Division
North Dakota Department of Transportation
608 East Boulevard Avenue
Bismarck, North Dakota 58505-0700
(701) 328-2601

This report and the *North Dakota Traffic Trends* are available on the North Dakota Department of Transportation website: www.nd.gov/dot/dlts.html

ACKNOWLEDGEMENTS

Gratitude is extended to all law enforcement personnel at the city, county, and state levels who provide the accurate crash reports from which these statistics are obtained. Their efforts make this report a reliable source of information.

DID YOU KNOW?

2003	2004	2005	
7,290,076,000	7,439,002,000	7,442,941,000	vehicle miles traveled within the state.
16,552	16,920	15,788	traffic crashes occurred in North Dakota.
105	100	123	persons were killed in traffic crashes.
4,817	4,611	4,360	persons were injured in traffic crashes.
56%	59%	52%	of the fatal crashes occurred during daylight hours.
77%	68%	81%	of the fatal crashes occurred on dry surface with clear/cloudy weather conditions.

2005 FACTS AND FIGURES

WHO?

5.0% of all licensed drivers in North Dakota were involved in a traffic crash.
80% of all fatalities were male.

25% of those killed were between the ages of 14-24. Males in this age group account for 21% of all male fatalities. Females in this age group account for 35% of all female fatalities.

Ratio of injured to killed was 4,360 to 123 or 35 to 1.

68% of the fatal crashes involved a single motor vehicle.

WHERE?

12% of the fatal crashes occurred in urban areas.
88% of the fatal crashes occurred in rural areas.

WHEN?

51% of all fatal crashes occurred during July through November.
33% of all fatal crashes occurred on Saturday and Sunday.
30% of all fatal crashes occurred between 10:00 p.m. and 5:00 a.m.

A reportable traffic crash occurred every 33 minutes.
One person was injured every 2 hours.
One person was killed every 2.4 days.

54% of the vehicles involved in crashes were passenger cars.

The total number of registered motorcycles in 2005 was estimated at 24,994 compared to 22,957 in 2004.

Of the 221 motorcycles involved in crashes, 6 were involved in fatal crashes and 176 were involved in injury crashes.

Of the 90 pedalcycles involved in crashes, 2 were involved in fatal crashes and 82 were involved in injury crashes.

Of the 21 school buses involved in crashes, none were involved in a fatal crash and 3 were involved in injury crashes.

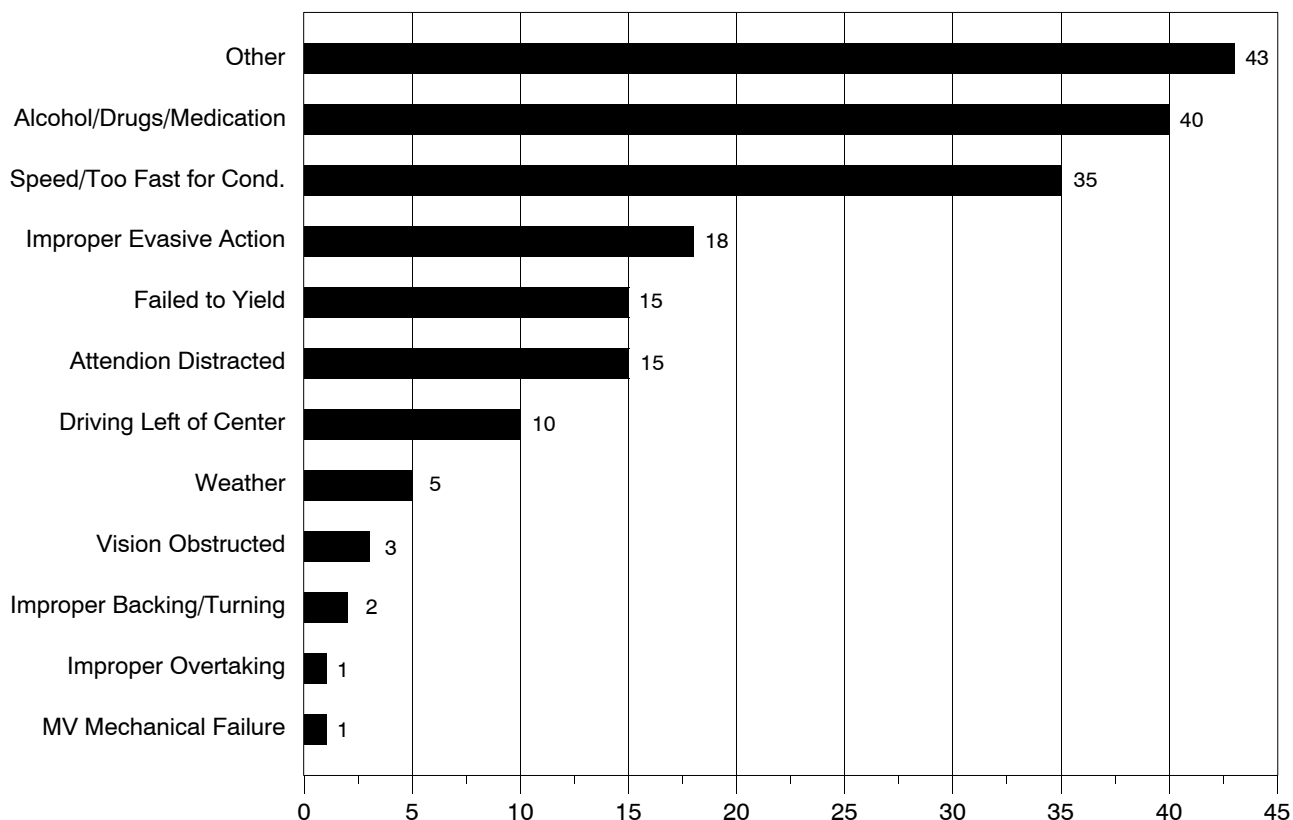
Twenty-six emergency vehicles were involved in crashes, none were involved in a fatal crash and 8 were involved in injury crashes.

Of the 190 crashes involved on under construction roadways, 2 were involved in fatal crashes and 36 were involved in injury crashes.

NORTH DAKOTA/OUT-OF-STATE DRIVER INVOLVEMENT

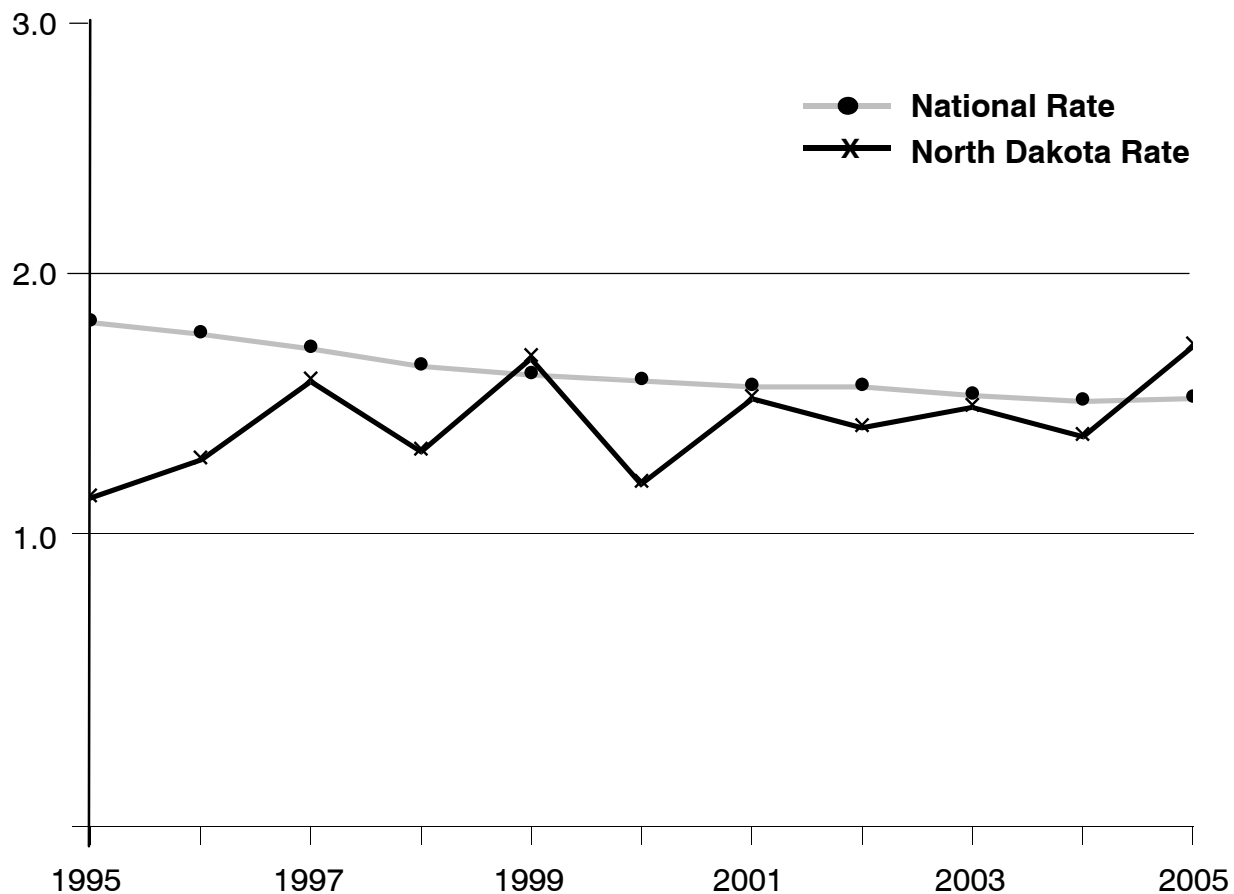
License	All Crashes	Fatal Crashes	Injury Crashes
North Dakota	19,813 or 85.4%	113 or 85.6%	3,795 or 85.3%
Out-of-State	2,875 or 12.4%	19 or 14.4%	611 or 13.7%
Unknown	510 or 2.2%	– or 0.0%	43 or 1.0%
TOTALS	23,198	132	4,449

CONTRIBUTING FACTORS IN 2005 FATAL CRASHES*



* There were 105 fatal crashes in 2005. Multiple contributing factors may be associated with one fatal crash and are based on the officer's preliminary investigation.

TOTAL FATALITIES AND FATALITY RATE* NORTH DAKOTA VS. NATIONAL



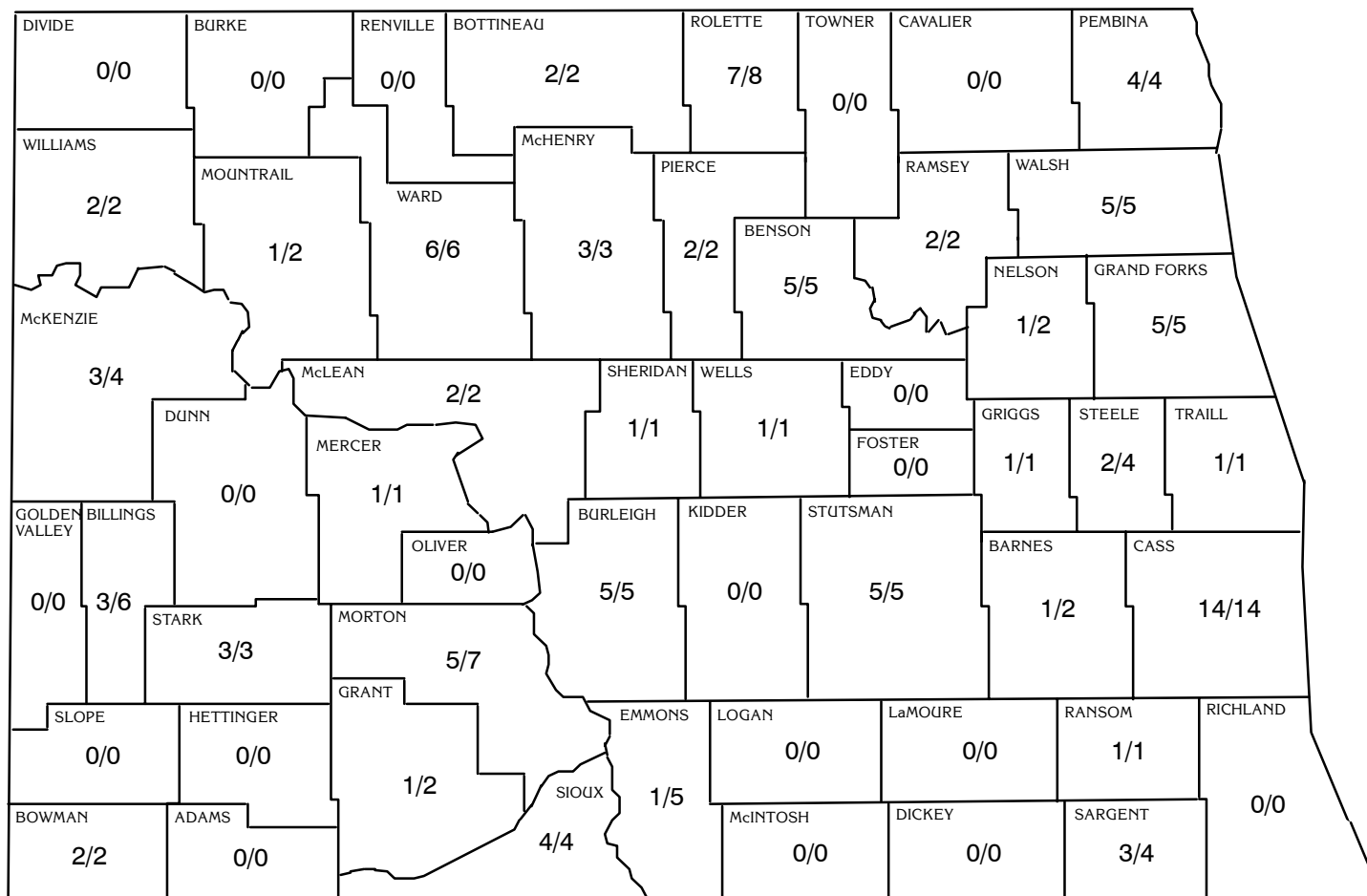
YEAR	NORTH DAKOTA FATALITIES	NORTH DAKOTA RATE	NATIONAL FATALITIES	NATIONAL* RATE
1995	74	1.13	41,817	1.73
1996	85	1.26	42,065	1.69
1997	105	1.53	42,013	1.64
1998	92	1.29	41,501	1.58
1999	119	1.61	41,717	1.55
2000	86	1.18	41,945	1.53
2001	105	1.47	42,196	1.51
2002	97	1.37	43,005	1.51
2003	105	1.44	42,884	1.48
2004	100	1.34	42,636	1.46
2005	123	1.65	42,850**	1.47**

*Rate is based on deaths per 100 million vehicle miles traveled.

**Early estimates.

Source: *Traffic Safety Facts 2005* – Overview, NCSA

2005 FATAL CRASHES/FATALITIES BY COUNTY



STATE TOTALS: Fatal Crashes – 105
 Fatalities – 123

1/ = Fatal Crashes
 /1 = Fatalities

REPORTABLE CRASHES BY COUNTY

County	Total	Fatal	Injury	Property Damage
Adams	32	–	1	31
Barnes	298	1	42	255
Benson	164	5	10	149
Billings	26	3	5	18
Bottineau	199	2	18	179
Bowman	58	2	13	43
Burke	34	–	5	29
Burleigh	1,998	5	439	1,554
Cass	3,167	14	654	2,499
Cavalier	93	–	7	86
Dickey	124	–	17	107
Divide	27	–	4	23
Dunn	56	–	6	50
Eddy	94	–	5	89
Emmons	92	1	17	74
Foster	88	–	4	84
Golden Valley	31	–	6	25
Grand Forks	1,588	5	360	1,223
Grant	35	1	6	28
Griggs	32	1	8	23
Hettinger	44	–	6	38
Kidder	96	–	12	84
LaMoure	134	–	11	123
Logan	44	–	4	40
McHenry	227	3	21	203
McIntosh	56	–	9	47
McKenzie	127	3	20	104
McLean	247	2	30	215
Mercer	193	1	26	166
Morton	571	5	107	459
Mountrail	148	1	14	133
Nelson	154	1	17	136
Oliver	29	–	4	25
Pembina	190	4	29	157
Pierce	123	2	14	107
Ramsey	432	2	47	383
Ransom	99	1	21	77
Renville	56	–	1	55
Richland	421	–	72	349
Rolette	130	7	25	98
Sargent	65	3	18	44
Sheridan	34	1	4	29
Sioux	20	4	5	11
Slope	36	–	10	26
Stark	479	3	76	400
Steele	47	2	13	32
Stutsman	615	5	97	513
Towner	33	–	5	28
Traill	204	1	30	173
Walsh	325	5	40	280
Ward	1,588	6	235	1,347
Wells	145	1	13	131
Williams	440	2	72	366
TOTALS	15,788	105	2,735	12,948

PERSONS KILLED AND INJURED BY COUNTY

County	Number Killed	Number Injured	Pedestrians Killed	Pedestrians Injured
Adams	–	4	–	–
Barnes	2	63	–	–
Benson	5	17	–	–
Billings	6	10	–	–
Bottineau	2	39	–	1
Bowman	2	20	–	–
Burke	–	7	–	–
Burleigh	5	674	3	21
Cass	14	1,014	1	8
Cavalier	–	14	–	–
Dickey	–	23	–	–
Divide	–	6	–	–
Dunn	–	14	–	–
Eddy	–	9	–	–
Emmons	5	25	–	–
Foster	–	10	–	–
Golden Valley	–	9	–	–
Grand Forks	5	537	–	14
Grant	2	6	–	1
Griggs	1	13	–	–
Hettinger	–	14	–	–
Kidder	–	18	–	–
LaMoure	–	17	–	–
Logan	–	6	–	–
McHenry	3	43	–	–
McIntosh	–	10	–	–
McKenzie	4	39	–	–
McLean	2	64	–	–
Mercer	1	44	–	–
Morton	7	163	–	2
Mountrail	2	29	–	–
Nelson	2	26	–	–
Oliver	–	6	–	–
Pembina	4	42	1	1
Pierce	2	23	–	–
Ramsey	2	67	–	–
Ransom	1	31	–	–
Renville	–	2	–	–
Richland	–	131	–	5
Rolette	8	48	2	–
Sargent	4	27	–	–
Sheridan	1	6	–	–
Sioux	4	19	–	–
Slope	–	15	–	–
Stark	3	131	1	2
Steele	4	21	–	–
Stutsman	5	146	–	7
Towner	–	9	–	–
Traill	1	45	–	–
Walsh	5	61	1	2
Ward	6	411	–	13
Wells	1	17	–	2
Williams	2	115	–	1
TOTALS	123	4,360	9	80

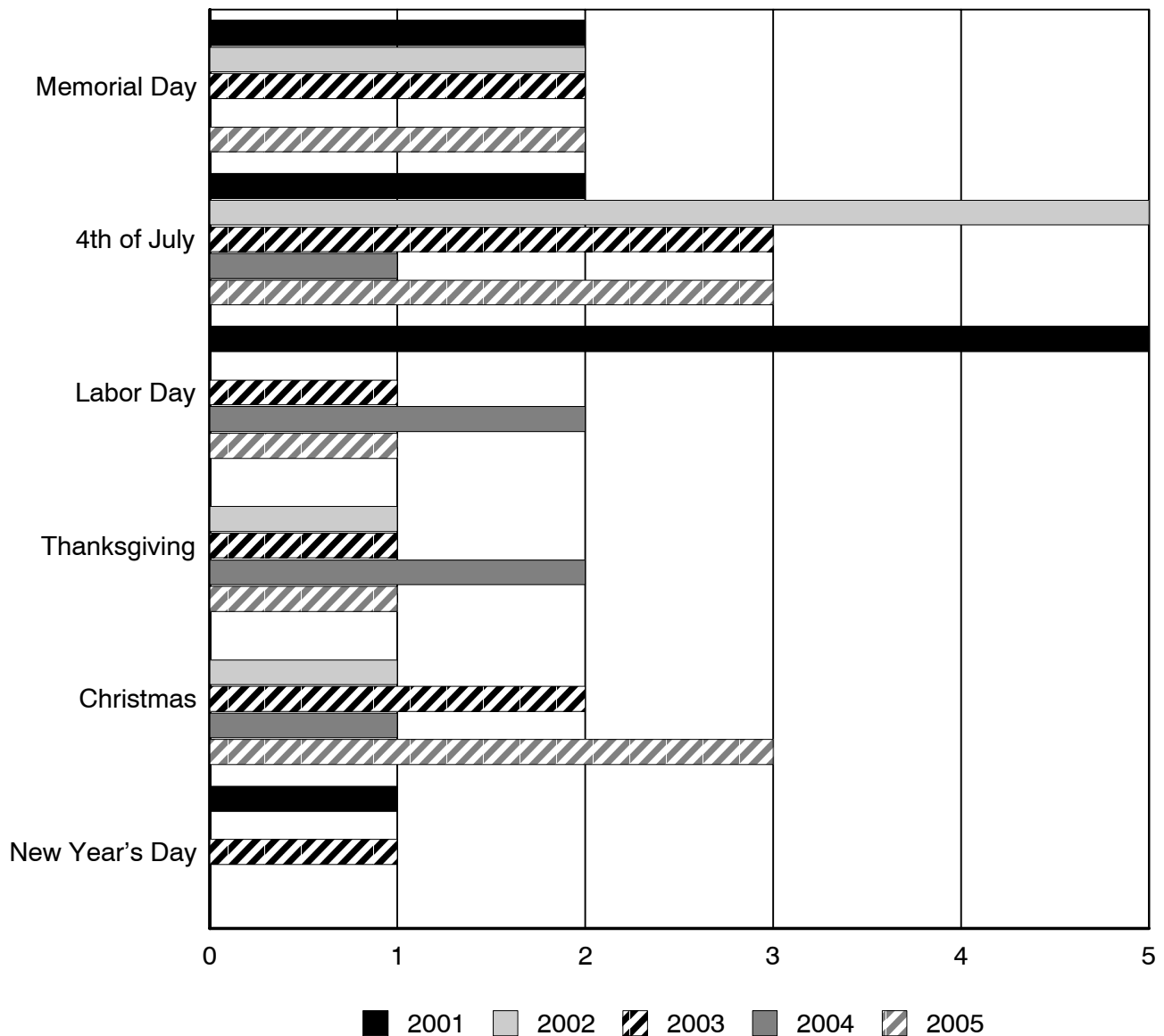
MOTOR VEHICLE FATALITIES ON MAJOR HOLIDAYS

HOLIDAY	Beginning Date	Ending Date	Hours*	Number Deaths
Memorial Day	May 27	May 30	96	2
4th of July	July 1	July 4	96	3
Labor Day	September 2	September 5	96	1
Thanksgiving	November 23	November 27	120	1
Christmas	December 23	December 26	96	3
New Year's Day	December 30	January 2	96	0
TOTAL				10

*Holiday hours established by the Combined Accident Reduction Effort and begin at 12:00 a.m. on date shown, and end at 11:59 p.m. on date shown.

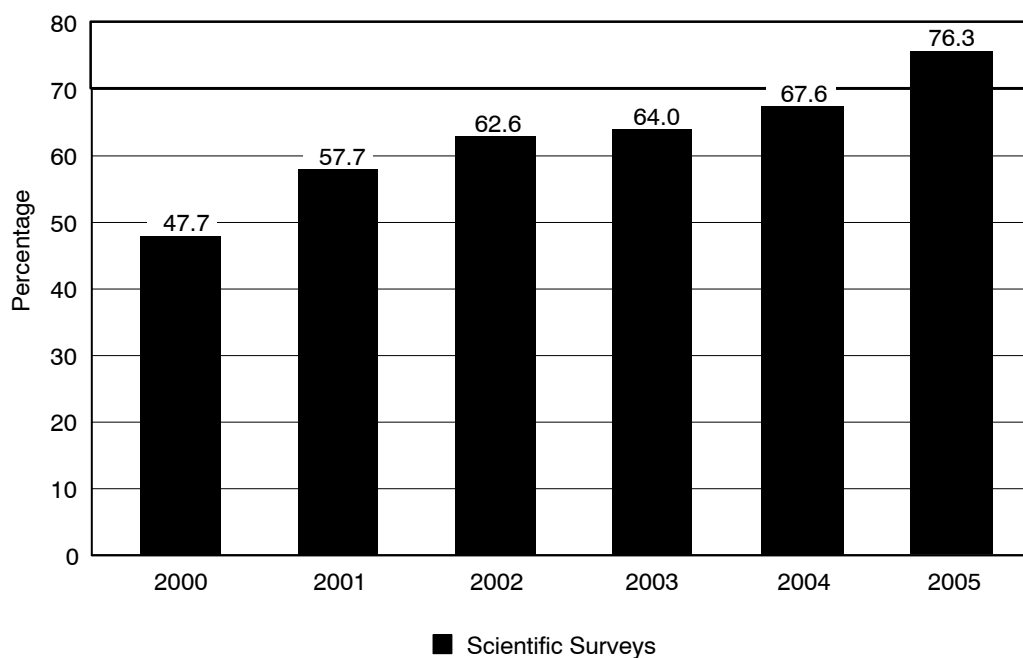
HOLIDAY FATALITIES

2001 – 2005



STATEWIDE SEAT BELT SURVEY RESULTS

2000 – 2005

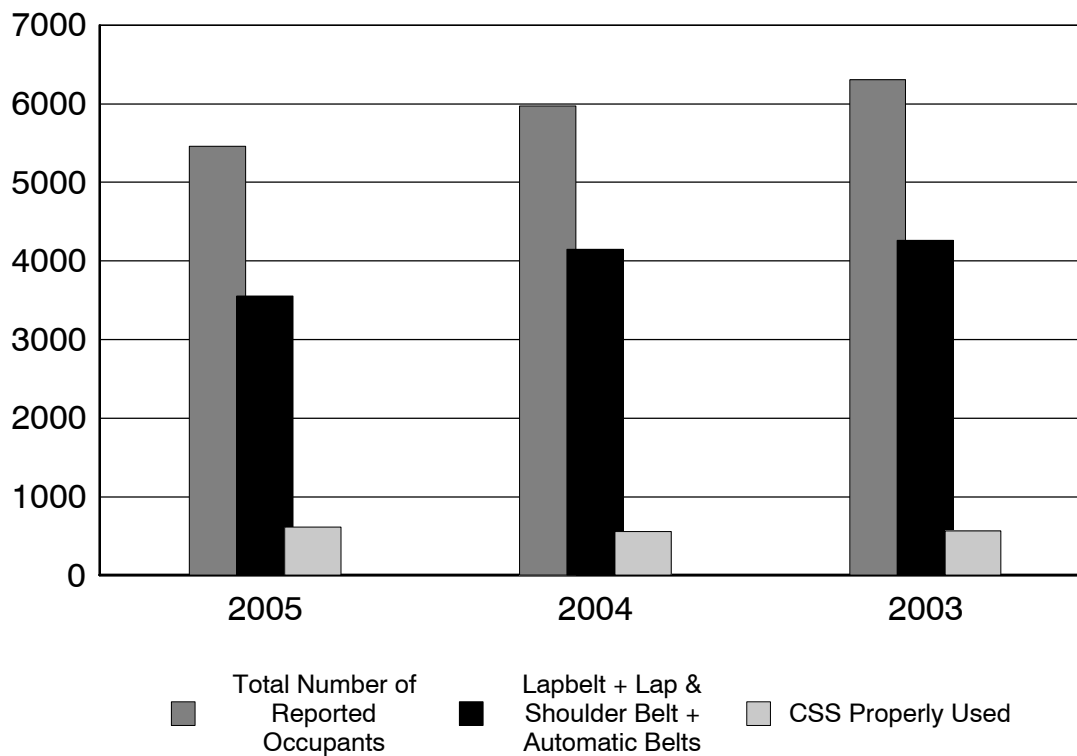


RESTRAINT DEVICE USAGE IN PASSENGER CARS AND PICKUPS ALL AGES

Safety Equipment	2005			2004			2003		
	Killed	Injured	All	Killed	Injured	All	Killed	Injured	All
Not In Use/Installed	65	787	2,084	53	865	2,358	63	1,053	2,824
Lap Belt Only	–	44	299	–	58	400	–	81	470
Lap and Shoulder	21	2,500	21,593	22	2,709	23,838	15	2,663	22,899
Automatic Belts	–	14	82	–	13	146	–	17	110
Other	2	104	978	3	105	885	2	119	943
Restraint Use	6	379	3,436	5	355	3,404	5	326	3,302
Unknown	–	–	–	–	–	–	–	–	–
TOTALS	94	3,828	28,472	83	4,105	31,031	85	4,259	30,548

Air Bag Deployment	2005			2004			2003		
	Killed	Injured	All	Killed	Injured	All	Killed	Injured	All
No Air Bag(s)	33	1,354	10,046	37	1,743	12,860	47	1,975	14,229
Air Bag Deployed	19	724	1,901	19	750	1,920	23	763	1,875
Air Bag Not Deployed	42	1,750	16,497	27	1,611	16,211	15	1,521	14,429
TOTALS	94	3,828	28,444	83	4,104	30,991	85	4,259	30,533

RESTRAINT DEVICE USAGE AGE SEVENTEEN AND UNDER



Safety Equipment	2005			2004			2003		
	Killed	Injured	All	Killed	Injured	All	Killed	Injured	All
Not In Use/Installed	6	178	432	8	179	464	6	354	788
Lap Belt Only	–	15	124	–	28	200	–	43	274
Lap and Shoulder	1	386	3,407	1	508	3,921	–	488	3,960
Automatic Belts	–	2	11	–	3	30	–	3	29
Not Restrained	–	6	20	1	8	23	–	3	10
CSS* Used Properly	1	56	612	1	50	562	–	51	567
CSS* Used Improperly	–	7	29	1	3	18	1	4	25
Other	2	77	140	–	62	145	3	49	107
Restraint Use Unknown	–	–	–	–	–	–	–	–	–
TOTALS	15	797	5,442	14	900	5,974	11	1,058	6,305

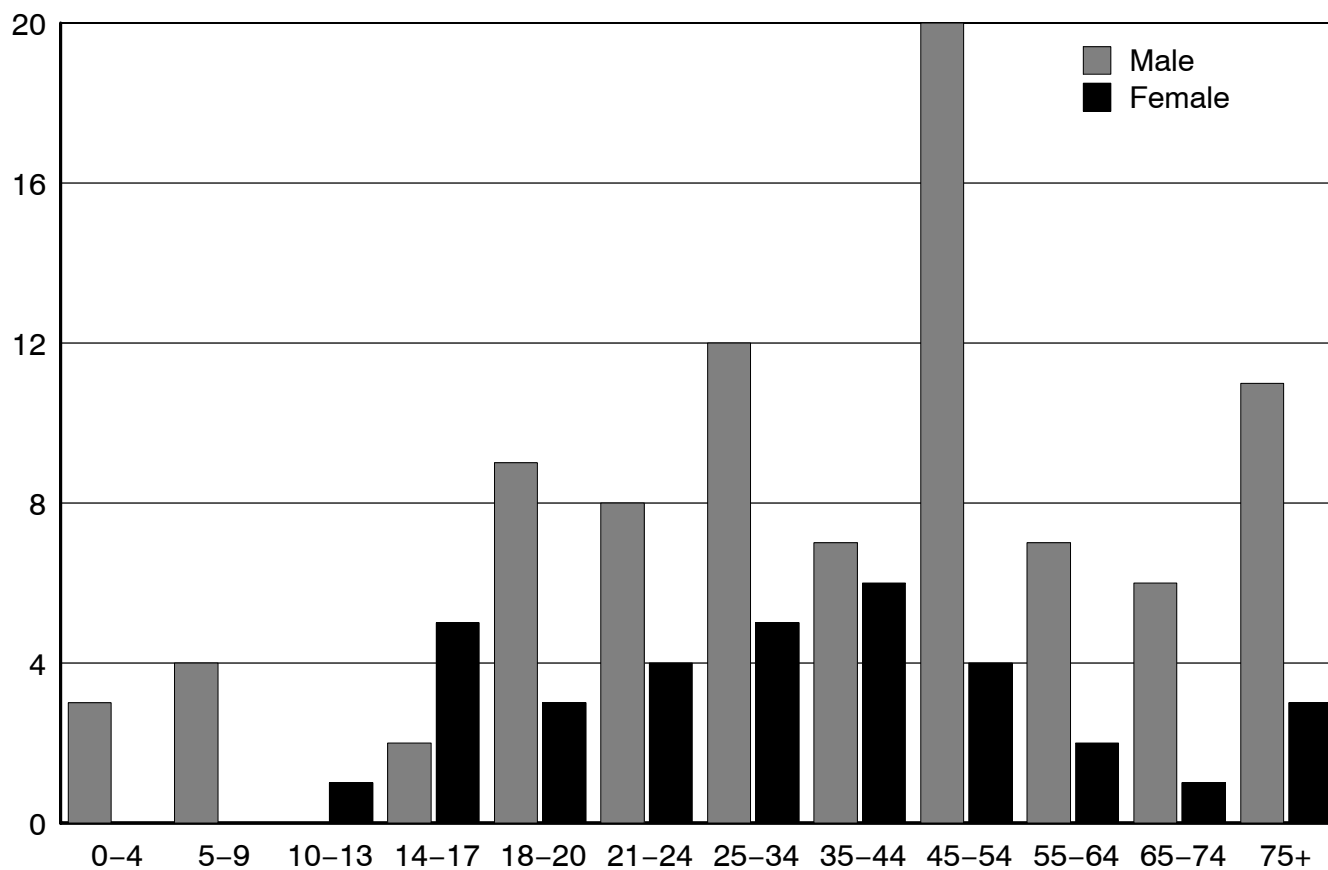
*CSS – Child Safety Seat

TOTAL AND FATAL CRASHES BY TIME OF DAY AND DAY OF WEEK

Time of Day	Total Crashes			Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
	Total	%	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals
12:00 a.m. - 12:59 a.m.	462	2.9	6	48	1	48	1	31	–	57	1	79	2	98	–	111	1
1:00 a.m. - 1:59 a.m.	371	2.3	11	25	–	32	–	35	–	35	5	43	1	114	1	97	3
2:00 a.m. - 2:59 a.m.	244	1.5	3	18	–	28	–	19	–	27	2	33	–	57	–	65	1
3:00 a.m. - 3:59 a.m.	155	1.0	1	11	–	16	–	12	–	9	–	14	1	55	–	43	–
4:00 a.m. - 4:59 a.m.	147	0.9	4	13	–	24	–	11	–	17	1	19	–	32	1	32	2
5:00 a.m. - 5:59 a.m.	287	1.8	3	47	–	43	–	35	–	35	1	48	–	39	2	44	–
6:00 a.m. - 6:59 a.m.	554	3.2	1	74	–	87	–	77	–	99	1	99	–	55	–	38	–
7:00 a.m. - 7:59 a.m.	855	5.4	6	135	–	153	1	156	1	164	1	145	2	58	1	44	–
8:00 a.m. - 8:59 a.m.	679	4.3	4	119	–	131	–	111	1	119	1	118	–	62	1	31	1
9:00 a.m. - 9:59 a.m.	519	3.3	3	82	2	87	–	86	–	59	–	89	1	61	–	55	–
10:00 a.m. - 10:59 a.m.	543	3.4	4	82	–	77	1	64	–	83	–	114	–	83	2	55	1
11:00 a.m. - 11:59 a.m.	661	4.2	7	86	–	87	1	95	1	118	–	111	3	111	1	64	1
12:00 p.m. - 12:59 p.m.	852	5.4	6	122	–	123	–	118	2	132	–	163	2	121	2	73	–
1:00 p.m. - 1:59 p.m.	777	4.9	5	116	1	111	–	115	1	118	2	143	–	113	1	82	–
2:00 p.m. - 2:59 p.m.	766	4.9	3	118	1	115	1	115	–	113	1	133	–	114	–	88	–
3:00 p.m. - 3:59 p.m.	1,149	6.6	4	164	–	171	1	161	–	169	–	176	1	115	1	114	1
4:00 p.m. - 4:59 p.m.	1,141	6.6	7	161	2	154	–	158	–	191	2	184	1	110	1	93	1
5:00 p.m. - 5:59 p.m.	1,211	7.7	5	186	–	175	–	225	1	222	–	199	1	118	1	118	2
6:00 p.m. - 6:59 p.m.	1,107	6.4	5	118	1	151	2	154	–	153	1	175	–	126	–	131	1
7:00 p.m. - 7:59 p.m.	856	5.4	6	111	1	110	2	126	–	131	2	145	–	127	–	127	1
8:00 p.m. - 8:59 p.m.	743	4.7	3	97	1	87	–	97	–	91	1	132	–	125	–	114	1
9:00 p.m. - 9:59 p.m.	828	5.2	3	92	–	119	1	115	–	97	–	166	–	136	1	113	1
10:00 p.m. - 10:59 p.m.	766	4.9	4	71	2	93	–	113	–	115	1	139	1	161	–	85	–
11:00 p.m. - 11:59 p.m.	465	2.9	2	56	–	54	–	43	–	62	–	99	1	98	1	53	–
TOTALS	15,788		105	2,132	12	2,244	11	2,222	7	2,384	23	2,743	17	2,233	17	1,830	18

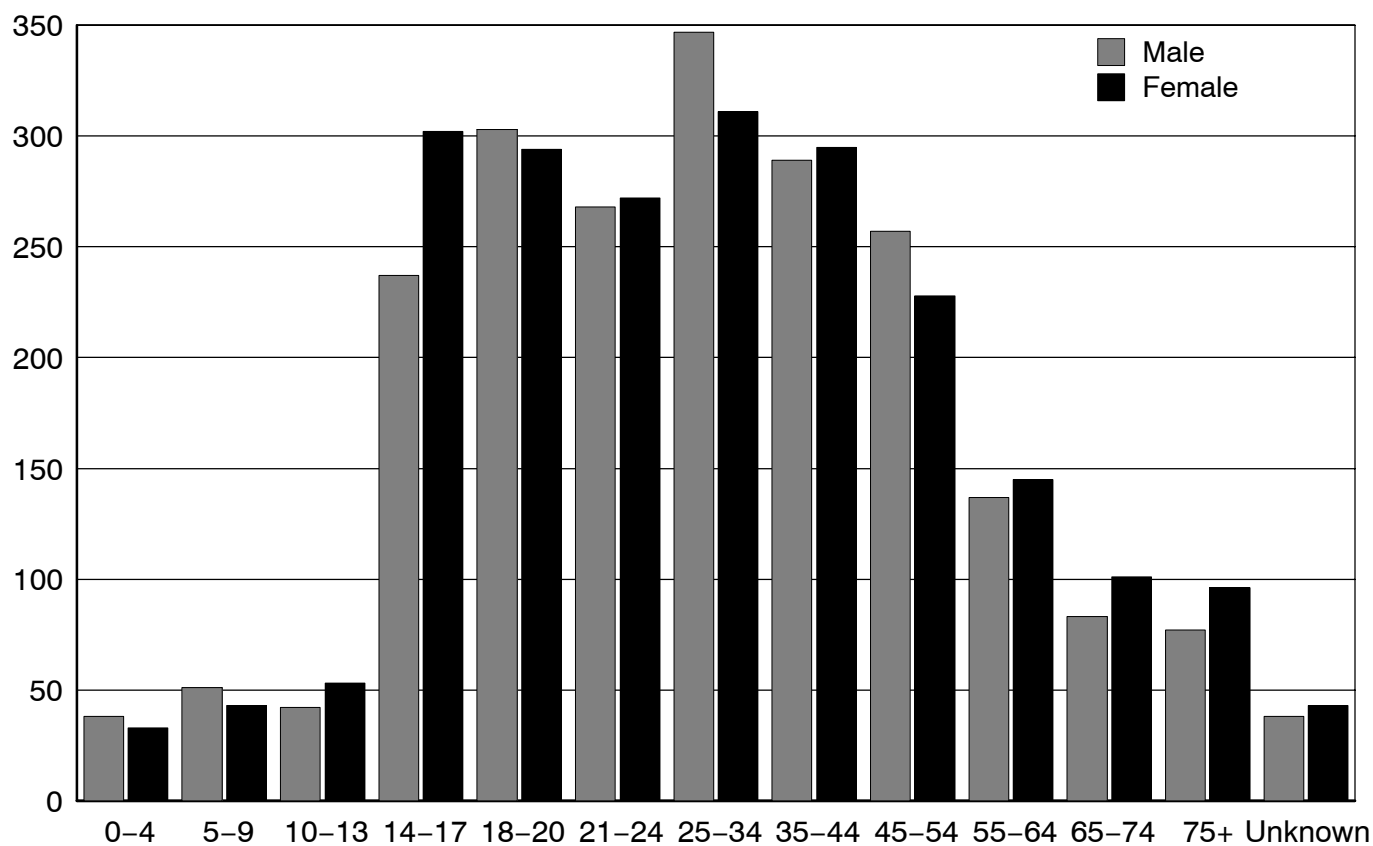
AGE AND SEX OF FATALITIES

Age	Total Fatalities		Pedestrian Fatalities		Pedalcyclist Fatalities	
	Male	Female	Male	Female	Male	Female
0 – 4	3	–	–	–	1	–
5 – 9	4	–	–	–	1	–
10 – 13	–	1	–	–	–	–
14 – 17	2	5	–	–	–	–
18 – 20	9	3	1	–	–	–
21 – 24	8	4	–	–	–	–
25 – 34	12	5	–	–	–	–
35 – 44	7	6	1	1	–	–
45 – 54	20	4	1	1	–	–
55 – 64	7	2	1	–	–	–
65 – 74	6	1	2	–	–	–
75 & older	11	3	1	–	–	–
TOTALS	89	34	7	2	2	0



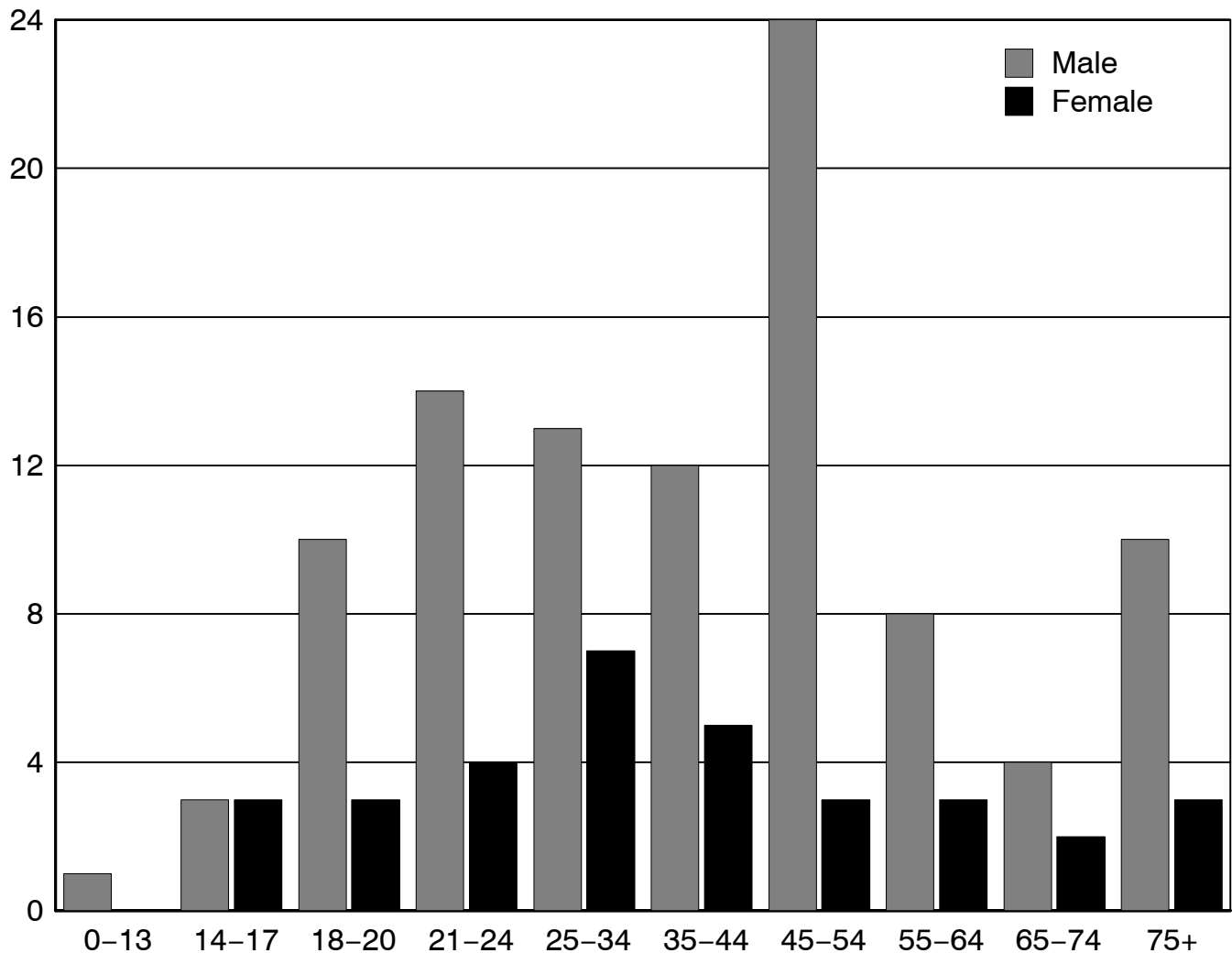
AGE AND SEX OF PERSONS INJURED

Age	Total Injuries		Pedestrian Injuries		Pedalcyclist Injuries	
	Male	Female	Male	Female	Male	Female
0 – 4	38	32	3	2	–	–
5 – 9	51	43	3	1	9	4
10 – 13	42	52	4	3	6	3
14 – 17	237	302	7	6	11	3
18 – 20	302	288	4	1	8	–
21 – 24	266	270	3	1	4	7
25 – 34	342	311	6	4	9	1
35 – 44	289	293	8	3	9	4
45 – 54	255	228	4	3	4	1
55 – 64	138	144	2	1	1	–
65 – 74	83	101	2	–	1	–
75 & older	77	96	–	3	–	–
Unknown	38	42	–	–	2	–
TOTALS	2,158	2,202	46	28	64	23



AGE AND SEX OF DRIVERS INVOLVED IN FATAL CRASHES

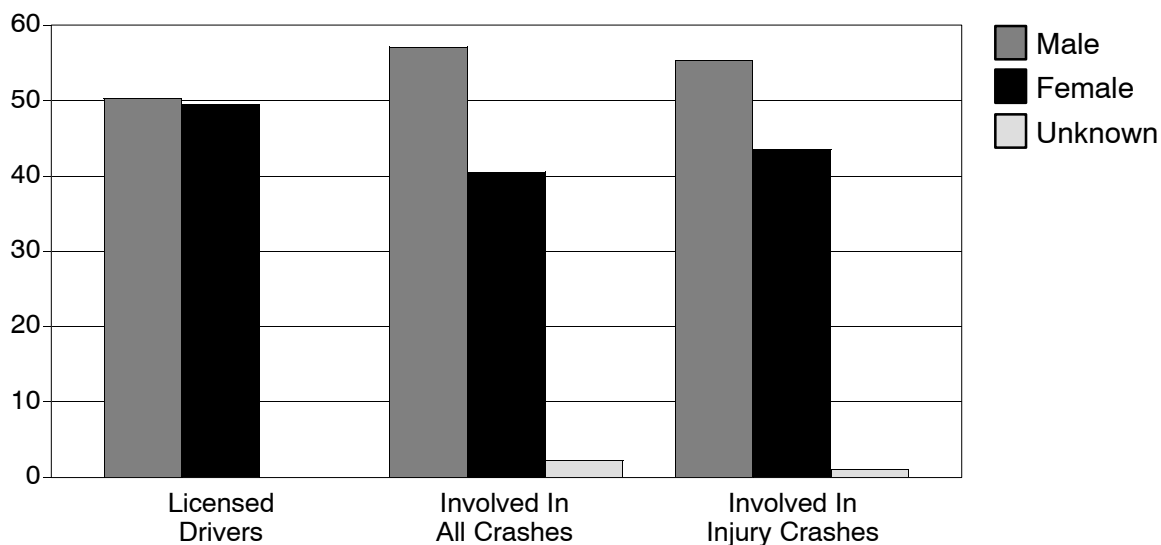
Age	Male	Female	Total	% of Total
13 & Under	1	–	1	0.8%
14 – 17	3	3	6	4.5%
18 – 20	10	3	13	9.8%
21 – 24	14	4	18	13.6%
25 – 34	13	7	20	15.2%
35 – 44	12	5	17	12.9%
45 – 54	24	3	27	20.5%
55 – 64	8	3	11	8.3%
65 – 74	4	2	6	4.5%
75 & older	10	3	13	9.8%
TOTALS	99	33	132	



INJURY CRASH INVOLVEMENT BY AGE, SEX AND LICENSE OF DRIVER

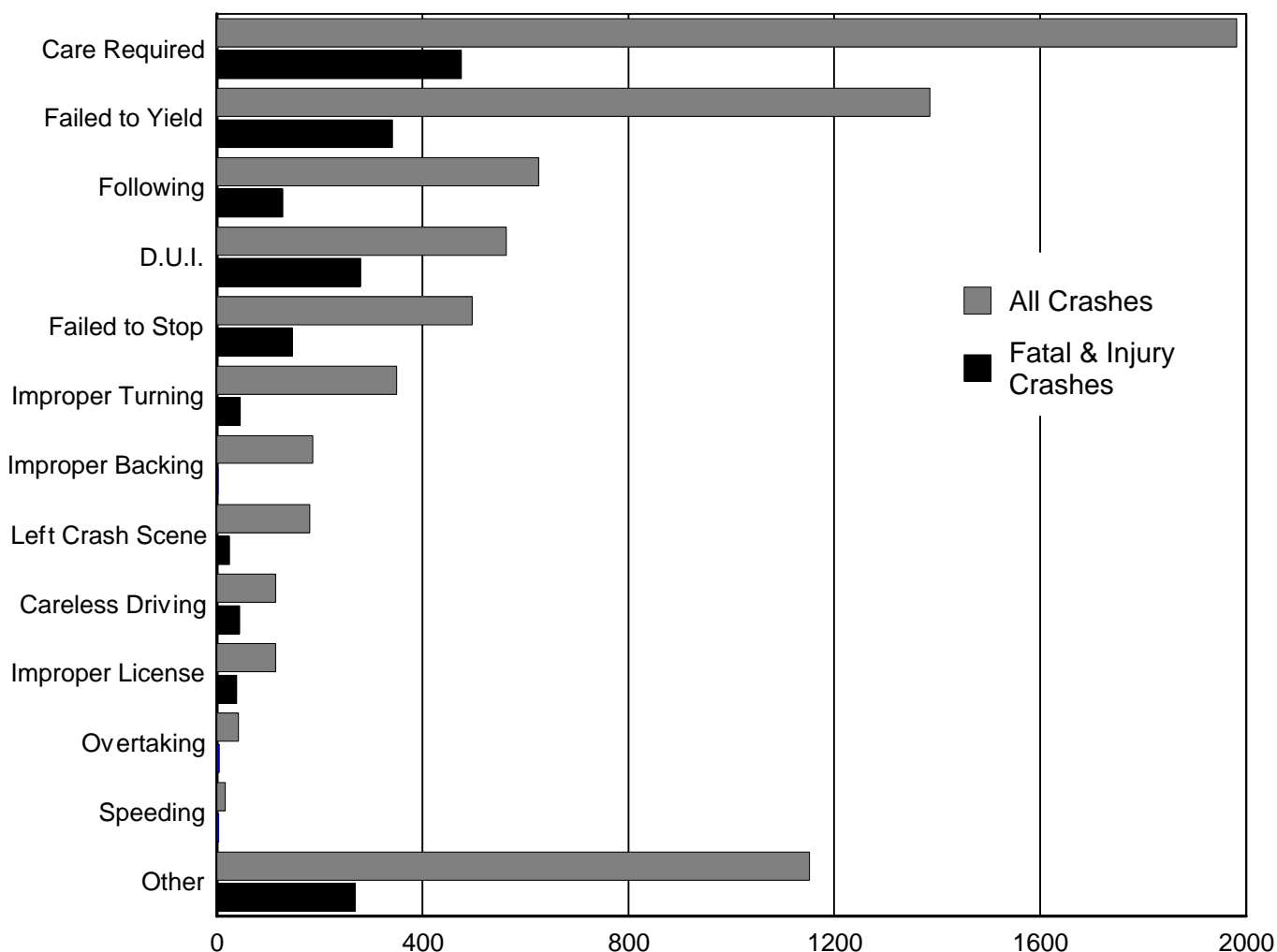
Age	Licensed Drivers		Involved In All Crashes			Involved In Injury Crashes		
13 & under	–	–	19	or	0.1%	9	or	0.2%
14 – 17	17,582	or 3.8%	2,187	or	9.4%	449	or	10.1%
18 – 20	26,112	or 5.6%	2,883	or	12.4%	606	or	13.6%
21 – 24	39,021	or 8.3%	2,755	or	11.9%	581	or	13.1%
25 – 34	74,156	or 15.9%	3,676	or	15.8%	702	or	15.8%
35 – 44	76,350	or 16.3%	3,479	or	15.0%	692	or	15.6%
45 – 54	92,232	or 19.7%	3,379	or	14.6%	593	or	13.3%
55 – 64	63,371	or 13.5%	2,117	or	9.1%	360	or	8.1%
65 – 74	40,867	or 8.7%	1,150	or	5.0%	216	or	4.9%
75 & older	38,012	or 8.1%	984	or	4.2%	182	or	4.1%
Unknown	–	–	569	or	2.5%	59	or	1.3%
TOTALS	467,703		23,198			4,449		
Sex								
Male	235,831	or 50.4%	13,268	or	57.2%	2,465	or	55.4%
Female	231,872	or 49.6%	9,417	or	40.6%	1,940	or	43.6%
Unknown	–	–	513		2.2%	44		1.0%
TOTALS	467,703		23,198			4,449		

Percentage



DRIVER CITATION – 2005 CRASHES

Citation	All Crashes	Fatal and Injury Crashes
Care Required	1,979 or 27.5%	474 or 26.3%
Failed to Yield	1,385 or 19.3%	340 or 19.0%
Following	625 or 8.7%	128 or 7.1%
D.U.I.	558 or 7.8%	276 or 15.4%
Failed to Stop	496 or 6.9%	147 or 8.2%
Improper Turning	349 or 4.9%	45 or 2.5%
Improper Backing	186 or 2.6%	2 or 0.1%
Left Crash Scene	180 or 2.5%	25 or 1.4%
Improper License	112 or 1.6%	38 or 2.1%
Careless Driving	111 or 1.5%	43 or 2.4%
Overtaking	41 or 0.6%	5 or 0.3%
Speeding	16 or 0.2%	4 or 0.2%
Other	1,148 or 16.0%	266 or 14.8%
TOTALS	7,186	1,793



CRASHES BY TYPE OF DRIVER CITATION

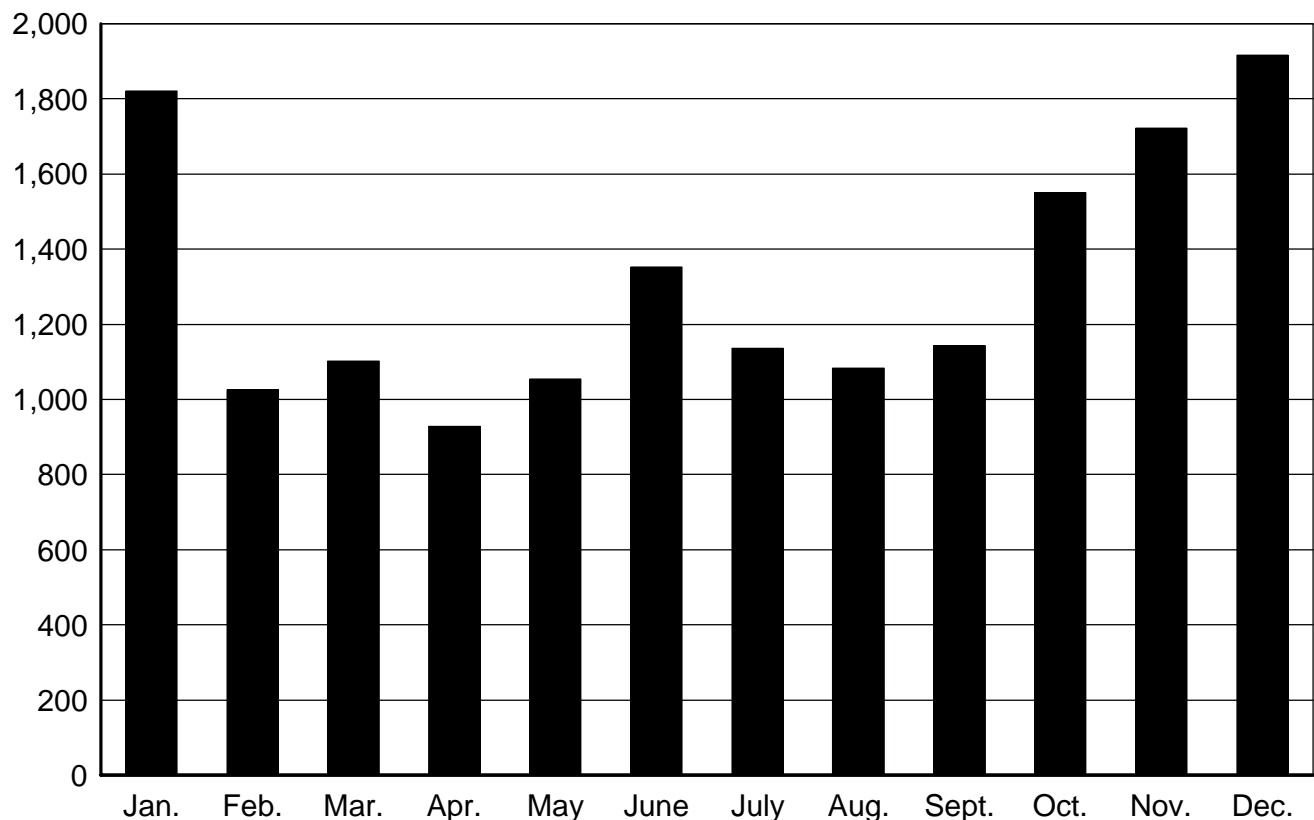
Citation / Circumstance	All Crashes			Fatal Crashes			Injury Crashes		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
D.U.I. (Alcohol)	275	272	547	-	10	10	103	156	259
D.U.I. (Drugs)	7	4	11	-	1	1	4	2	6
Care Required	983	996	1,979	-	1	1	210	263	473
Careless Driving	44	67	111	-	-	-	12	31	43
Failed to Yield	1,170	215	1,385	-	2	2	271	67	338
Failed to Stop	460	36	496	-	-	-	135	12	147
Following	537	88	625	-	-	-	117	11	128
Improper Turning	310	39	349	-	-	-	34	11	45
Improper Backing	149	37	186	-	-	-	2	-	2
Overtaking	10	31	41	-	-	-	1	4	5
Wrong Way	13	7	20	-	-	-	3	4	7
Speeding	13	3	16	-	-	-	4	-	4
Defective Equipment	11	13	24	-	-	-	2	4	6
Illegal Parking	3	2	5	-	-	-	-	1	1
Open Container	1	-	1	-	-	-	1	-	1
Improper License	84	28	112	-	-	-	23	15	38
Left Crash Scene	98	82	180	-	-	-	14	11	25
Other	853	245	1,098	-	2	2	179	70	249
None	8,876	3,359	12,235	14	102	116	1,978	694	2,672
TOTALS	13,897	5,524	19,421	14	118	132	3,093	1,356	4,449

DUI CRASHES BY COUNTY






County	Total	DUI Drivers	Drivers and Occupants		Pedestrians
			Fatal	Injury	
Adams	2	2	-	-	-
Barnes	7	7	-	5	-
Benson	2	2	1	4	-
Billings	3	3	4	4	-
Bottineau	2	2	-	7	-
Bowman	3	3	-	4	-
Burke	1	1	-	1	-
Burleigh	84	84	-	55	-
Cass	103	103	-	66	-
Cavalier	3	3	-	-	-
Dickey	4	4	-	4	-
Divide	-	-	-	-	-
Dunn	2	2	-	2	-
Eddy	2	2	-	2	-
Emmons	4	4	-	5	-
Foster	1	1	-	-	-
Golden Valley	3	3	-	6	-
Grand Forks	60	62	-	44	1
Grant	2	2	-	1	-
Griggs	2	2	-	4	-
Hettinger	1	1	-	1	-
Kidder	2	2	-	2	-
LaMoure	1	1	-	-	-
Logan	-	-	-	-	-
McHenry	3	3	-	7	-
McIntosh	1	1	-	-	-
McKenzie	8	8	1	10	-
McLean	10	10	-	9	-
Mercer	9	9	-	8	-
Morton	22	22	-	15	-
Mountrail	8	8	-	9	-
Nelson	4	4	-	5	-
Oliver	1	1	-	-	-
Pembina	6	6	1	3	-
Pierce	6	6	-	4	-
Ramsey	9	9	-	5	-
Ransom	12	12	-	13	-
Renville	-	-	-	-	-
Richland	16	16	-	11	-
Rolette	11	11	2	8	1
Sargent	6	6	-	6	-
Sheridan	-	-	-	-	-
Sioux	3	3	1	5	-
Slope	2	2	-	1	-
Stark	15	15	-	14	-
Steele	-	-	-	-	-
Stutsman	15	15	1	9	-
Towner	2	2	-	4	-
Traill	12	12	-	7	-
Walsh	10	11	-	6	-
Ward	55	55	1	39	2
Wells	-	-	-	-	-
Williams	16	17	1	19	-
TOTALS	556	560	13	434	4

CRASH SUMMARY BY MONTH








Month	Total Crashes		Fatal Crashes	No. Deaths	Injury Crashes	No. Injured
January	1,818	or 11.5%	4	5	248	407
February	1,026	or 6.5%	7	7	162	267
March	1,101	or 7.0%	9	9	185	314
April	928	or 5.9%	7	7	207	325
May	1,054	or 6.7%	6	6	225	356
June	1,353	or 8.6%	18	25	238	405
July	1,134	or 7.2%	13	14	249	406
August	1,080	or 6.8%	5	5	246	383
September	1,141	or 7.2%	8	9	243	360
October	1,545	or 9.8%	13	16	221	345
November	1,717	or 10.9%	5	9	232	365
December	1,891	or 12.0%	10	11	279	427
TOTALS	15,788		105	123	2,735	4,360



CRASHES BY LIGHT CONDITIONS








Light Condition	Total Crashes			Fatal Crashes	Injury Crashes
 Daylight	8,804	or	55.8%	55	1,865
 Dawn	570	or	3.6%	3	55
 Dusk	639	or	4.0%	4	77
 Darkness (Road Lighted)	1,896	or	12.0%	4	374
 Darkness (Road Unlighted)	3,879	or	24.6%	39	364
TOTALS	15,788			105	2,735

ROAD SURFACE AND WEATHER CONDITIONS ALL CRASHES

Weather Condition	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Un- known	Total
 Clear/Cloudy	7,107	526	25	221	61	2,119	191	–	10,250
 Rain	–	498	11	–	2	28	–	–	539
 Snow	–	35	4	187	39	297	–	–	562
 Blow/Snow	15	4	–	65	19	262	1	–	366
 Sleet/Hail	–	18	1	–	11	161	1	–	192
 Fog/Smoke	23	9	2	2	–	25	5	–	66
 Wind	20	5	–	–	–	10	1	–	36
Unknown	–	–	–	–	–	–	–	3,777	3,777
TOTALS	7,165	1,095	43	475	132	2,902	199	3,777	15,788








ROAD SURFACE AND WEATHER CONDITIONS

FATAL CRASHES

Weather Condition	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Un- known	Total
 Clear/ Cloudy	85	5	–	2	–	5	2	–	99
 Rain	–	1	–	–	–	–	–	–	1
 Snow	–	–	1	1	–	–	–	–	2
 Blow/ Snow	–	–	–	–	–	2	–	–	2
 Sleet/ Hail	–	–	–	–	–	1	–	–	1
 Fog/ Smoke	–	–	–	–	–	–	–	–	0
 Wind	–	–	–	–	–	–	–	–	0
TOTALS	85	6	1	3	0	8	2	0	105

ROAD SURFACE AND WEATHER CONDITIONS

INJURY CRASHES

Weather Condition	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Un- known	Total
 Clear/ Cloudy	1,850	124	2	36	14	328	45	–	2,399
 Rain	–	129	1	–	–	2	–	–	132
 Snow	–	6	1	21	8	50	–	–	86
 Blow/ Snow	1	–	–	8	4	45	–	–	58
 Sleet/ Hail	–	2	–	–	2	32	–	–	36
 Fog/ Smoke	5	5	–	–	–	4	2	–	16
 Wind	5	1	–	–	–	1	1	–	8
TOTALS	1,861	267	4	65	28	462	48	0	2,735

CRASHES BY MANNER OF COLLISION

NUMBER OF CRASHES

Manner of Collision	Total				Single Vehicle Crashes				Multiple Vehicle Crashes			
	Total	Fatal	Injury	Damage	Total	Fatal	Injury	Damage	Total	Fatal	Injury	Damage
Angle	4,388	20	897	3,471	31	2	25	4	4,357	18	872	3,467
Rear End	2,775	2	646	2,127	3	–	3	–	2,772	2	643	2,127
Head On	289	8	98	183	10	1	9	–	279	7	89	183
Sideswipe (same dir.)	796	2	61	733	4	–	1	3	792	2	60	730
Sideswipe (opp. dir.)	222	2	34	186	3	–	3	–	219	2	31	186
Rear to Rear	42	–	4	38	–	–	–	–	42	–	4	38
Non-Coll. w/Motor Veh.	3,333	69	937	2,327	3,228	66	915	2,247	105	3	22	80
Animal w/Motor Veh.	3,943	2	58	3,883	3,939	2	57	3,880	4	–	1	3
Totals	15,788	105	2,735	12,948	7,218	71	1,013	6,134	8,570	34	1,722	6,814

NUMBER OF PERSONS INVOLVED

	Total	Fatalities	Incapacitating Injury	Evident Injury	Possible Injury	No Injury
Angle	11,481	26	102	473	915	9,965
Rear End	7,602	3	37	172	861	6,529
Head On	703	15	24	44	97	523
Sideswipe (same dir.)	1,792	2	7	30	52	1,701
Sideswipe (opp. dir.)	503	2	6	15	33	447
Rear to Rear	79	–	–	–	6	73
Non-Coll. w/Motor Veh.	4,779	73	202	617	589	3,298
Animal w/Motor Veh.	4,011	2	7	37	34	3,931
Totals	30,950	123	385	1,388	2,587	26,467

SUMMARY OF REPORTABLE CRASHES BY CITY FOR THE 13 MAJOR CITIES*

	Population	NUMBER OF CRASHES				NUMBER OF PERSONS	
		Total	Fatal	Injury	Damage	Killed	Injured
Fargo	90,599	2,179	3	453	1,723	3	715
Bismarck	55,532	1,575	4	373	1,198	4	563
Grand Forks	49,321	1,135	2	282	851	2	420
Minot	36,567	1,055	-	175	880	-	320
Mandan	16,718	246	-	59	187	-	78
Dickinson	16,010	327	-	60	267	-	98
Jamestown	15,527	306	-	58	248	-	88
West Fargo	14,940	257	1	62	194	1	95
Williston	12,512	248	-	44	204	-	59
Wahpeton	8,586	127	-	20	107	-	38
Devils Lake	7,222	126	1	20	105	1	33
Valley City	6,826	72	-	15	57	-	31
Grafton	4,516	64	2	6	56	2	6
TOTALS		7,717	13	1,627	6,077	13	2,544

*Does not include Interstate urban crashes.

CRASHES BY URBAN POPULATION

Urban Population*	NUMBER OF CRASHES				NUMBER OF PERSONS	
	Total	Fatal	Injury	Damage	Killed	Injured
5,000 - 9,999	325	1	55	269	1	102
10,000 - 24,999	1,384	1	283	1,100	1	418
25,000 - 49,999	2,190	2	457	1,731	2	740
50,000 - 99,999	3,754	7	826	2,921	7	1,278
TOTALS	7,653	11	1,621	6,021	11	2,538

*Does not include Interstate urban crashes. Interstate is considered a rural roadway.

CRASHES BY FIRST HARMFUL EVENT

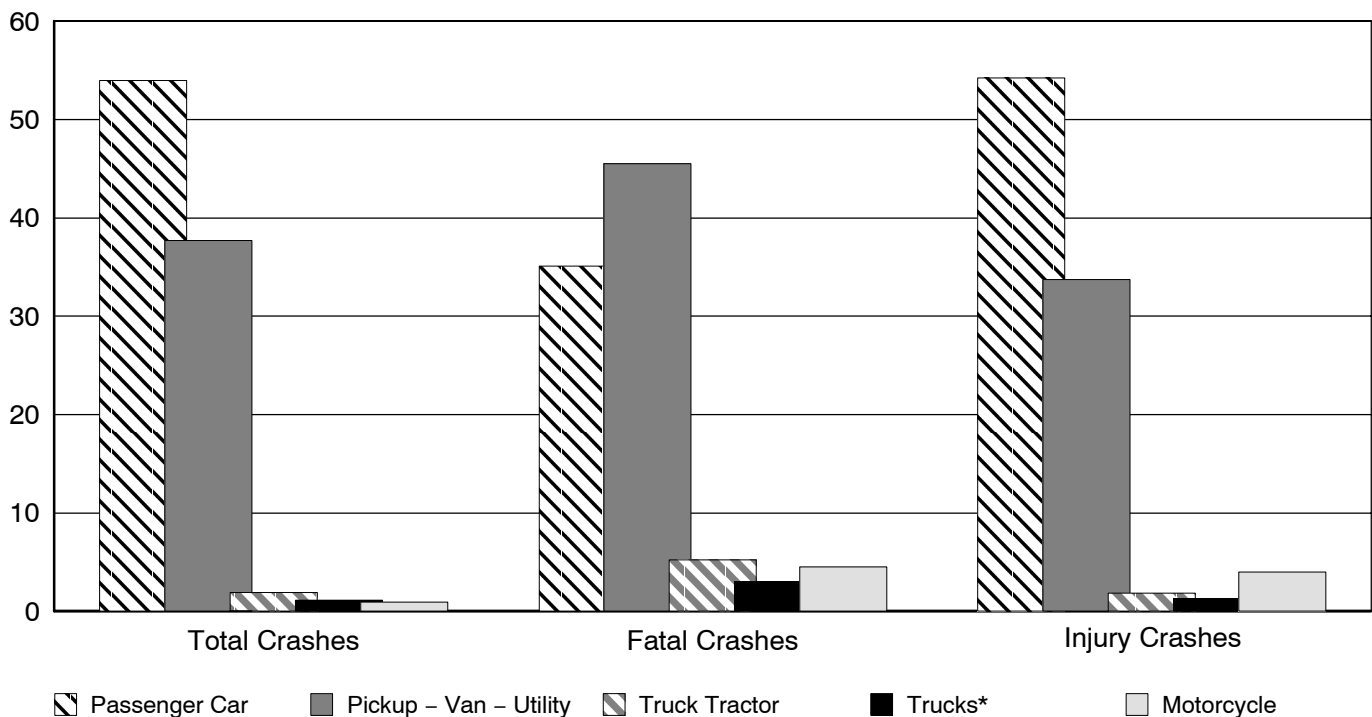
	All Crashes		Fatal Crashes		Injury Crashes	
	Urban	Rural	Urban	Rural	Urban	Rural
MV in Transport	6,069	1,478	3	33	1,326	303
Deer	98	3,668	–	1	2	52
Parked Motor Vehicle	746	299	1	2	33	16
Overturn / Rollover	29	891	–	31	13	374
Ran Off Roadway	47	255	2	6	9	93
Curb	154	29	–	–	32	9
Ditch	11	159	–	1	4	37
Highway Traffic Sign Post	49	101	–	–	2	7
Tree	60	73	–	1	15	18
Farm Animal	–	103	–	–	–	2
Guardrail	17	83	–	–	8	12
Bridge	36	64	–	1	11	15
Luminaire / Light Support	85	10	1	–	17	1
Embankment	7	87	–	5	2	38
Other Post	26	66	–	–	4	7
Fence	15	60	–	–	–	10
Pedestrian	57	17	3	3	49	13
Pedalcycle	64	8	1	1	59	7
Utility Post	26	33	–	–	1	2
Jackknife	1	50	–	1	–	3
MV Tran in Other Rdwy	17	29	–	1	3	15
Fire / Explosion	–	45	–	–	–	2
Small Animal	4	40	–	–	–	2
Mail Box	20	16	–	–	1	–
Cargo Loss or Shift	8	22	–	–	2	2
Other Large Game	–	29	–	1	–	–
Culvert	1	26	–	–	–	10
Median Barrier	13	12	–	–	4	1
Separation of Units	3	18	–	–	–	1
Train	3	13	1	3	–	4
Immersion	1	15	–	–	–	1
Impact Attenuator	1	5	–	–	–	–
Overhead Sign Support	–	5	–	–	–	–
Downhill Runaway	3	–	–	–	–	–
Other Non-Collision	42	47	1	–	34	22
Other Collision	101	118	–	1	12	13
TOTALS	7,814	7,974	13	92	1,643	1,092

VEHICLE INVOLVEMENT BY TYPE

	Total		Fatal	Injury
Passenger Car	12,582	or 54.0%	47	2,457
Pickup – Van – Utility	8,794	or 37.7%	61	1,532
Truck Tractor	448	or 1.9%	7	84
Trucks*	267	or 1.1%	4	57
Motorcycle	221	or 0.9%	6	176
Pedalcycle	90	or 0.4%	2	82
Bus	55	or 0.2%	–	10
Farm Equipment	37	or 0.2%	2	13
All Terrain Vehicle	35	or 0.2%	3	26
Construction Equipment	27	or 0.1%	–	1
Emergency Vehicle	26	or 0.1%	–	8
Roadway Maintenance Veh.	21	or 0.1%	–	3
School Bus	21	or 0.1%	–	3
Snowmobile	16	or 0.1%	–	11
Motor Home / RV	12	or 0.1%	1	2
Moped	3	or 0.0%	–	3
Modified Vehicle	3	or 0.0%	1	1
Hit and Run	644	or 2.8%	–	64
Other	9	or 0.0%	–	1
TOTALS	23,311		134	4,534

CRASH SEVERITY BY VEHICLE TYPE

Percentage**



*Includes single unit trucks, 2-axle, and 3+axle vehicles.

**Percentages do not add up to 100% because not all vehicle types are included here.

CRASHES BY ROADWAY FUNCTION CLASS

URBAN

Urban Roadways	NUMBER OF CRASHES				NUMBER OF PERSONS	
	Total	Fatal	Injury	Damage	Killed	Injured
Unknown	37	–	5	32	–	7
Interstate	449	–	72	377	–	99
Principal Arterial	2,867	4	637	2,226	4	1,030
Minor Arterial	3,258	6	700	2,552	6	1,063
Collectors	1,416	2	262	1,152	2	411
Local	273	1	44	228	1	67
SUBTOTALS	8,300	13	1,720	6,567	13	2,677

RURAL

Rural Roadways	NUMBER OF CRASHES				NUMBER OF PERSONS	
	Total	Fatal	Injury	Damage	Killed	Injured
Interstate	983	14	141	828	15	248
Principal Arterial	2,167	21	221	1,925	32	370
Minor Arterial	959	15	110	834	16	186
Collectors	730	3	89	638	3	152
Local	2,649	39	454	2,156	44	727
SUBTOTALS	7,488	92	1,015	6,381	110	1,683
TOTALS	15,788	105	2,735	12,948	123	4,360

Explanation of roadways:

Interstate: Limited access divided facilities of at least four lanes designated by the Federal Highway Administration as part of the Interstate System.

Principal Arterial: Major streets or highways, many with multi-lane or freeway design.

Minor Arterial: Streets and highways linking cities and larger towns in rural areas in distributing trips to small geographic areas in urban areas (not penetrating identifiable neighborhoods).

Collectors: In rural areas, routes serving intra-county rather than statewide travel. In urban areas, streets providing access to neighborhoods and direct access to arterial.

Local Streets and Roads: Streets whose primary purpose is feeding higher order systems, providing direct access with little or no through traffic.

AVERAGE ECONOMIC COSTS OF NORTH DAKOTA TRAFFIC CRASHES

Year	Fatalities		Injuries		Property Damage Crashes		Total Est. Loss
	Number	Est. Loss	Number	Est. Loss	Number	Est. Loss	
1996	85	\$ 68,850,000	6,015	\$205,713,000	11,762	\$ 71,748,200	\$346,311,200
1997	105	82,950,000	5,900	189,980,000	12,589	75,534,000	348,464,000
1998	92	90,160,000	4,917	167,669,700	10,950	70,080,000	327,909,700
1999	119	116,620,000	4,962	176,647,200	11,027	70,572,800	363,840,000
2000	86	86,000,000	4,619	163,050,700	11,294	73,411,000	322,461,700
2001	105	105,000,000	4,608	162,662,400	11,534	74,971,000	342,633,400
2002	97	100,880,000	4,886	178,339,000	12,778	83,057,000	362,276,000
2003	105	117,600,000	4,817	219,173,500	13,213	108,346,600	445,120,100
2004	100	113,000,000	4,611	229,166,700	14,126	104,532,400	446,699,100
2005	123	140,220,000	4,360	219,744,000	12,976	102,510,400	462,474,400

Year	Per Fatality	Per Injury	Per Property Damage
1996 ¹	\$ 810,000	\$34,200	\$6,100
1997 ¹	790,000	32,200	6,000
1998 ¹	980,000	34,100	6,400
1999 ¹	980,000	35,600	6,400
2000 ¹	1,000,000	35,300	6,500
2001 ¹	1,040,000	36,500	6,500
2002 ¹	1,040,000	36,500	6,500
2003 ¹	1,120,000	45,500	8,200
2004 ¹	1,130,000	49,700	7,400
2005 ²	1,140,000	50,400	7,900

¹Estimated figures published by National Safety Council.

²2005 estimated figures not available at time of publication

Economic costs estimate the economic impact of motor vehicle crashes based on five cost components: (a) wage and productivity losses, which include wages, fringe benefits, household production, and travel delay; (b) medical expenses including emergency service costs; (c) administrative expenses, which include the administrative cost of private and public insurance plus police and legal costs; (d) motor vehicle damage, including the value of damage to property; and (e) employer costs for injuries to workers.

SPEED RELATED FATAL CRASHES 1996 – 2005

